Unit Operations Center

Command and Control To Go

Agenda

- Program Overview
- Sustainment
  - Yesterday, Today, and Tomorrow
  - Strategic Vision
- Statement of Objectives
- Business Case Analysis
- Questions
- Admin Notes

Unit Operations Center (UOC) Industry Day

9 December 2004

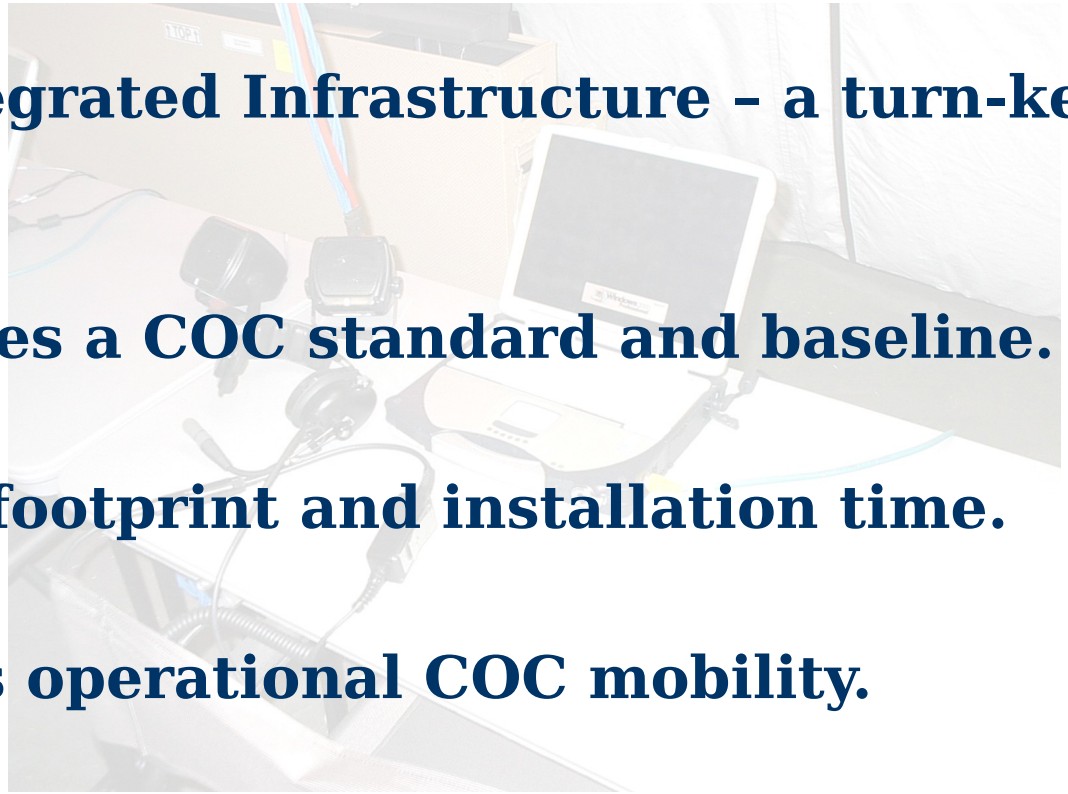
Program Manager: Mr. Kevin Holt
Lead ILSO: Maj Bill Kohmuench
UOC Logistician: Mike Danhires

Introduction

- Purpose
  - Initiate Information Exchange
  - Articulate the UOC Sustainment Vision
  - Present basic UOC PBL concepts

The UOC System

Modular, scalable, mobile Command and Control (C2) System Facilitates fast, accurate decision making



- **Fully Integrated Infrastructure – a turn-key solution.**
- **Establishes a COC standard and baseline.**
- **Reduces footprint and installation time.**
- **Enhances operational COC mobility.**

UOC Program.....

- Is an integrated **hardware** suite, heavily dependent on Commercial Off The Shelf (COTS) equipment..
- Will **NOT** *modify* current Tactical Data Systems (TDS) software applications
- Will **NOT** provide additional Tactical Radios
- Will **NOT** provide additional Prime Movers

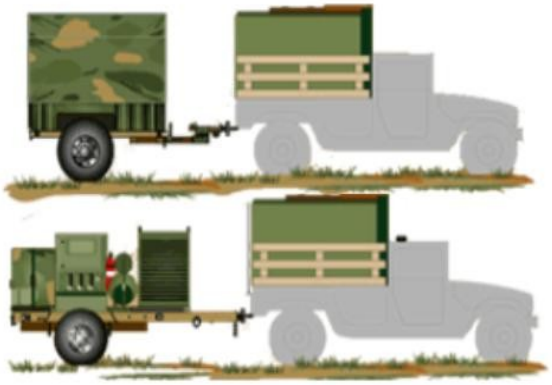
Before UOC

8th Marines (Circa 1998)

Building Block Approach

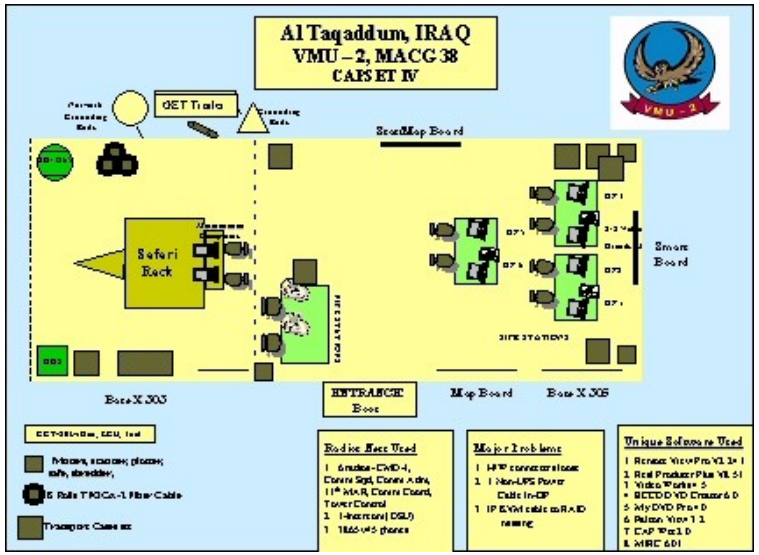
- CapSets are integrations of common building blocks
- Networked workstations support standard Tactical Data Systems
- Architecture allows wide variety/ flexible configurations tailored to specific Commander and staff requirements.
- Provides a tailored capability responsive to task organizations.

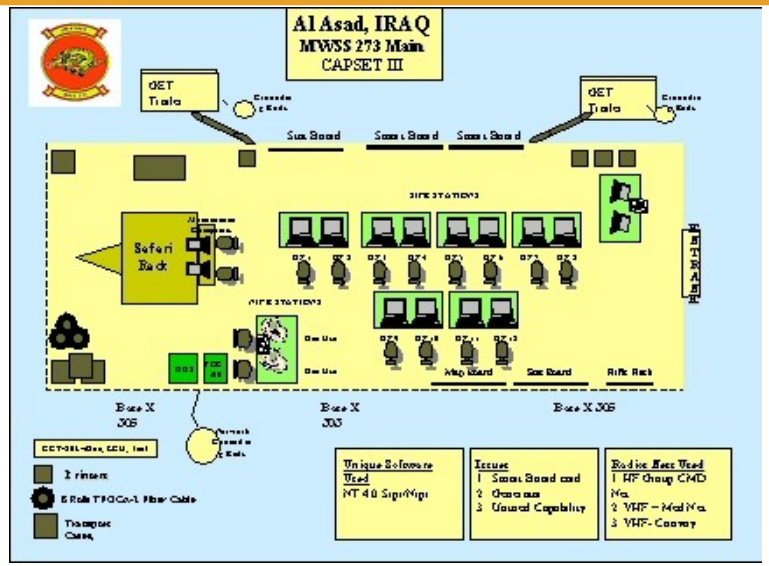
CapSet IV

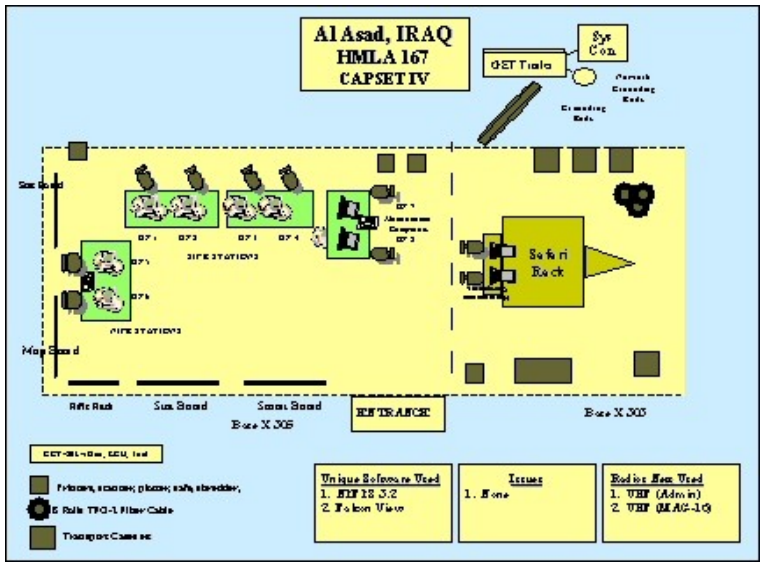


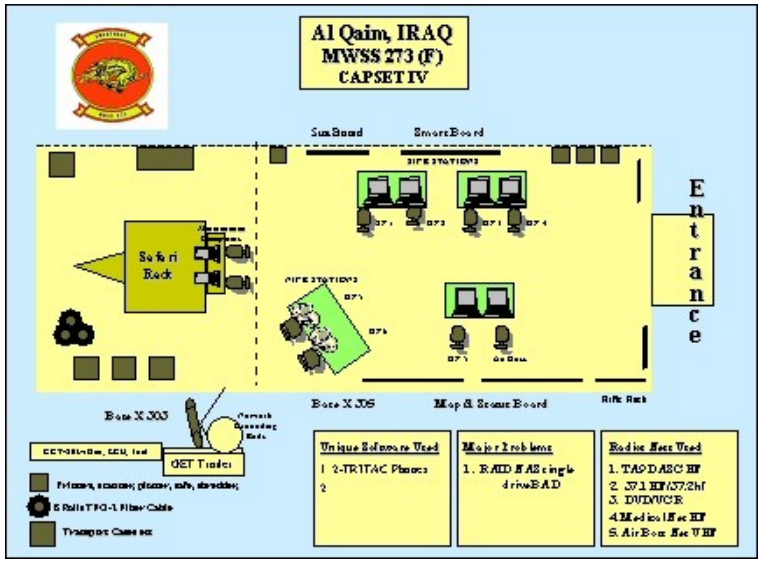
CapSet IV (Bn. Fwd.) stowed for Ground Transport

UOC "Unit Configurations" in IRAQ

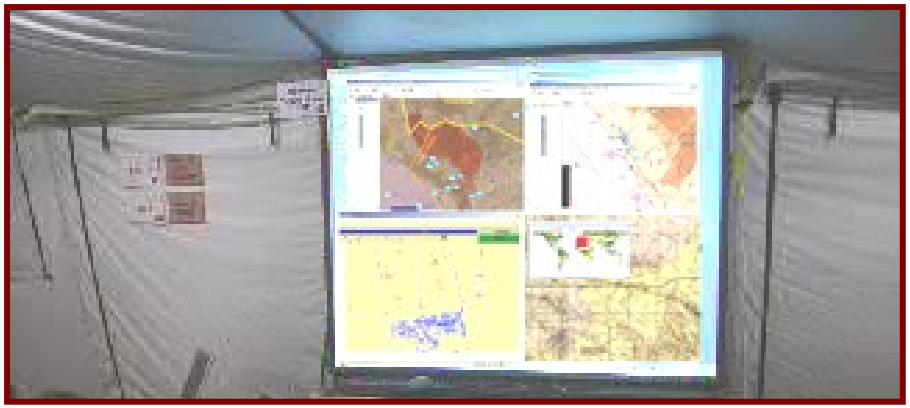








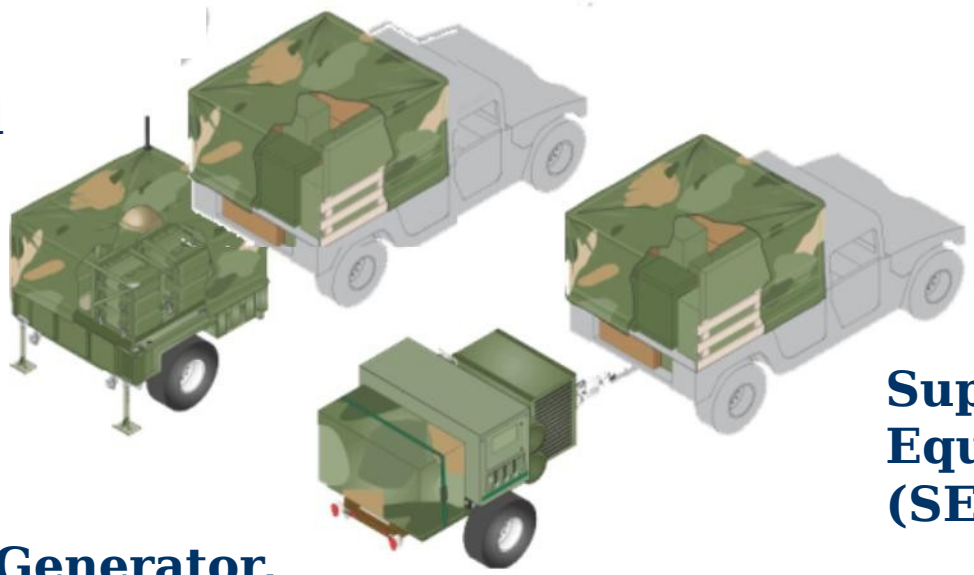
UOC in Iraq



Fast Deployment

UOC is designed for maximum deployment flexibility using a 'T3' design: Tents, Trailers, Transit Cases

Operational Trailer (OT)



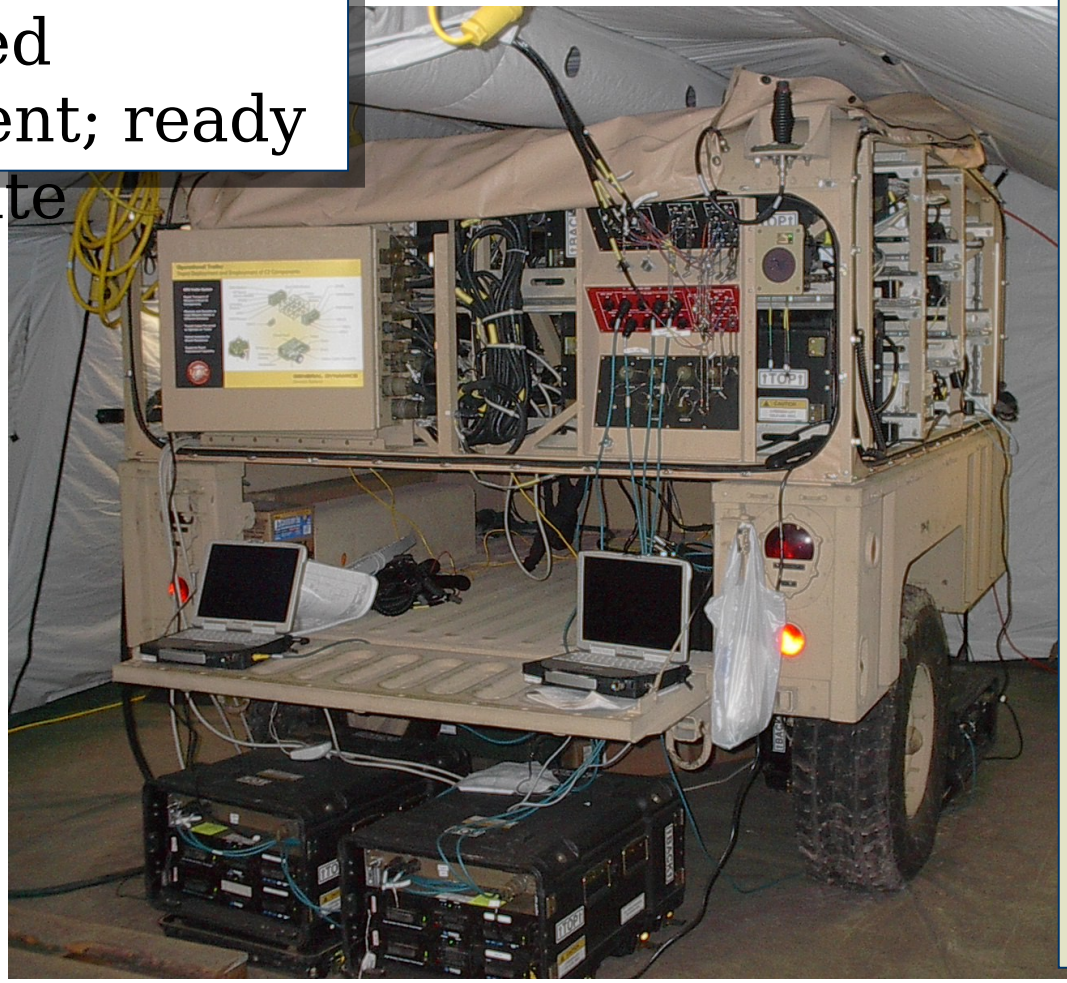
Supplemental Equipment (SE)

Generator, ECU, and Tent (GET)

T3 design allows a wide range of deployment options

Ready-to-Go Operational Trailer

Pre-wired equipment; ready to operate



Classified Network
- WAN
- LAN
- Servers

Unclassified Network
- WAN
- LAN
- Servers

RAID

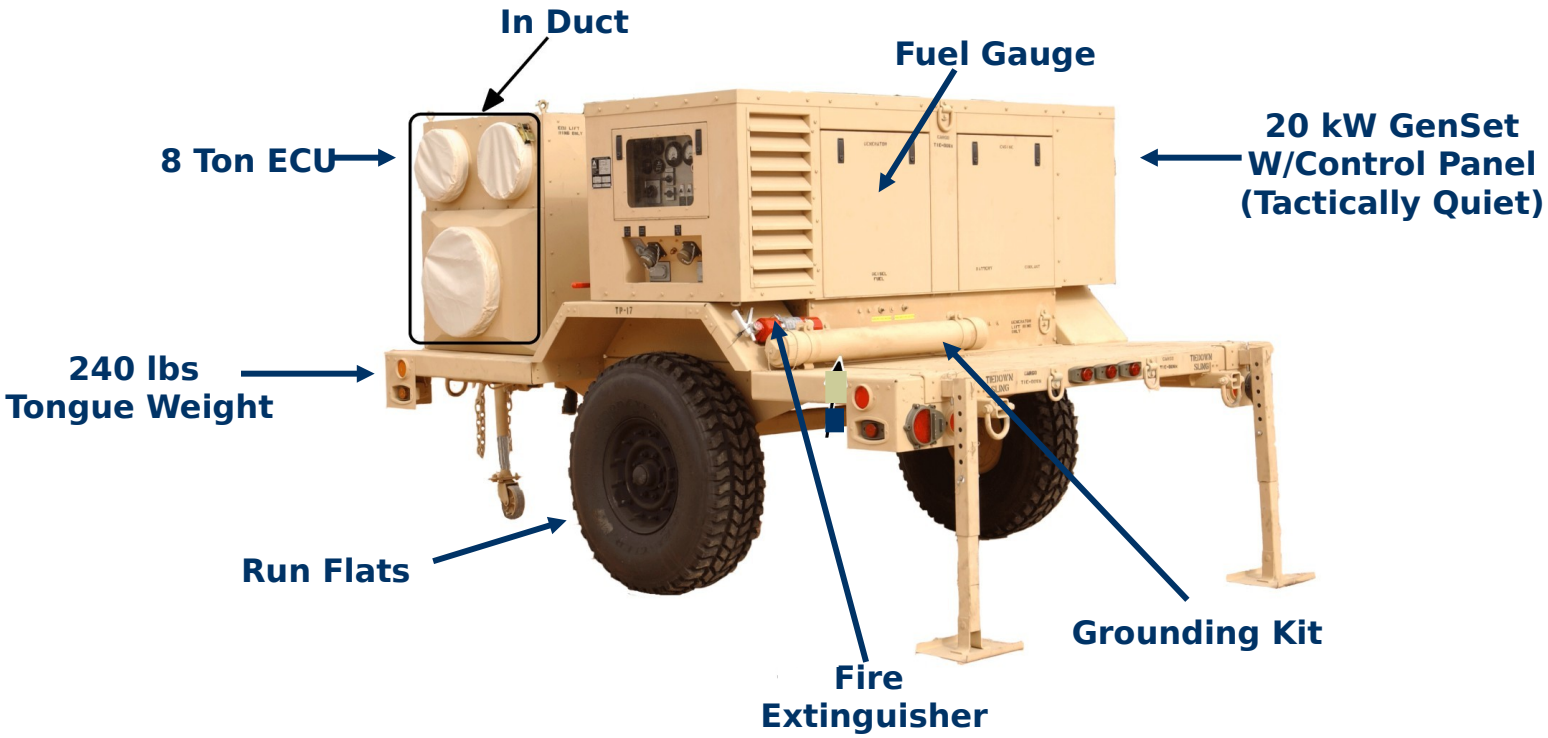
UPS

Operators

Workstations
- Intercom

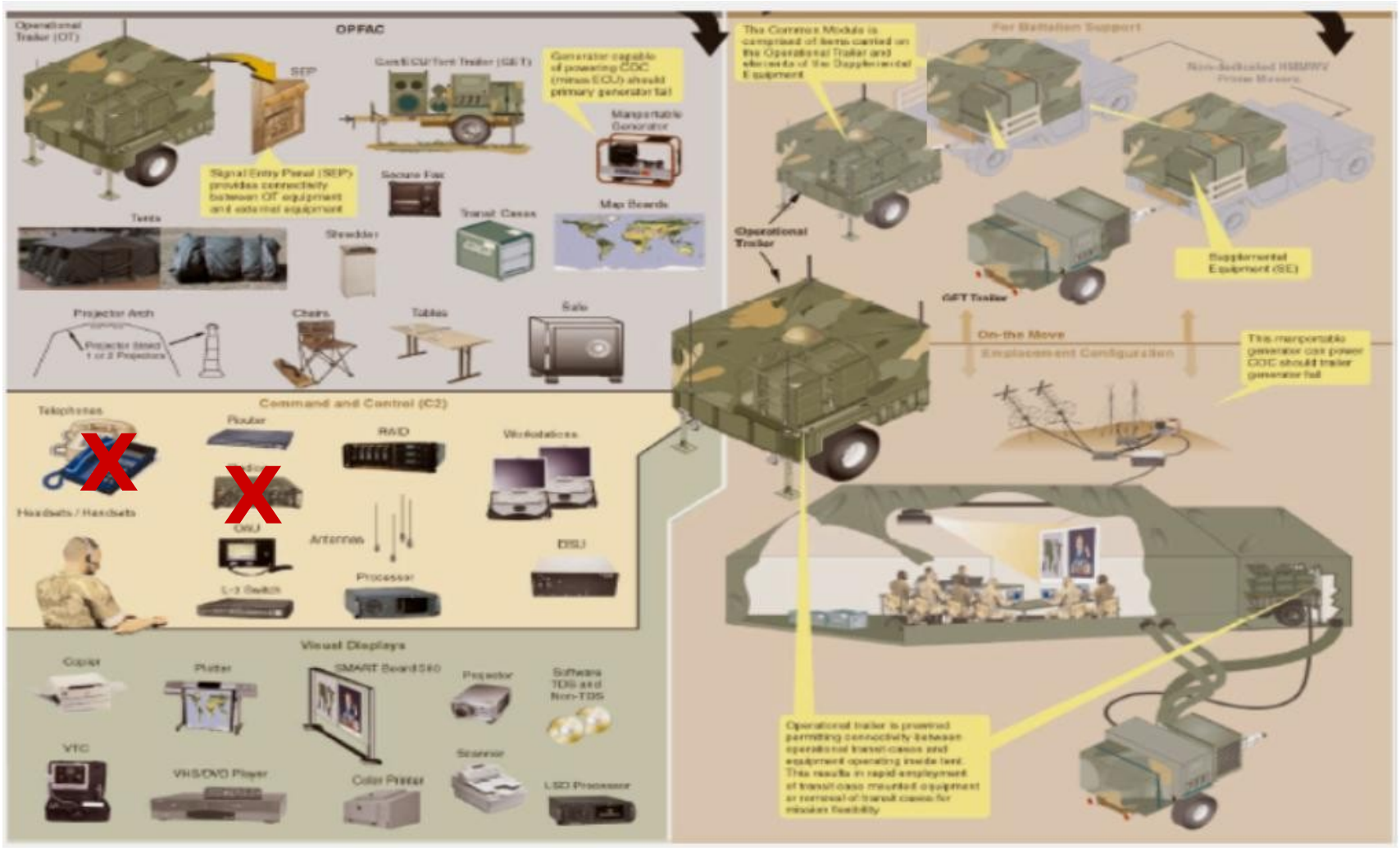
Table/Chairs

Generator ECU & Tent Trailer (GET)



GET Trailer (rear view)

UOC Components



Software

TDS Segments		Non-TDS Segments
GCCS Server, V3.6.5	PC-MIMMS, V1.0A	Microsoft Windows 2000 (Workstation)
GCCS Client, V3.6.5	LOGAIS 7.0	Microsoft Windows 2000 (Server)
IOS Ops Server, V1 3.6.0.0	TC-AIMS II, ICODES, AALPS	Solaris (Unix OS)
IOS Intel Server, V2 3.6.0.0	SPEED, V9.0	Microsoft Office Professional Microsoft Internet Explorer
IOW Software, V3.6.0.0 SP2	ROLMS, V9.0	AccessNet VNC
TC-AIMS-II, LOGAIS 7.0 ICODES, AALPS	DMS, V3.0 Gold	LongArm Radio Control Norton Anitvirus
EMT 6.3.2		Microsoft Netmeeting Microsoft Chat
		WinZip Adobe Acrobat Reader
		Built-In-Test
		Web-Based Training

Implementation Key

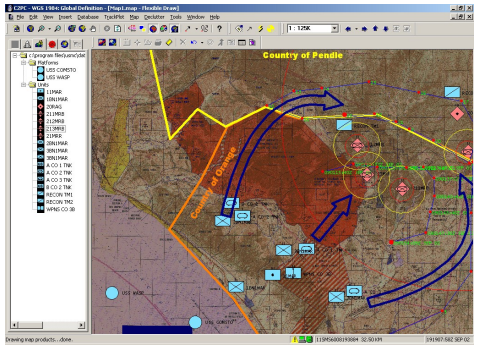
Increment 4.3 Implementation SIPRNET

Increment 4.3 Implementation NIPRNET

UOC Common Operating Picture
The Bottom Line

Increased Mission Effectiveness

- **Rapid Deployment**
- **Collaborative Planning**
- **Increased OpTempo**



The Power to Decide.
The Certainty to Act.

Acquisitions

Approved Acquisition Objective (AAO) 355

LRIP 14 Previous procurements
8 in Iraq, more to follow

Production 27 May – Nov 05
Iraq (11 of 27 currently funded)

Spiral 1 10 Sep – Nov 05
CONUS

Production 78 Unfunded Urgent UNS
Schedule TBD
Predominantly Iraq

UOC Industry Day

10 Minute Break

UOC Logistics Strategy

Logistics Strategy

Current Situation

Near Term

Long Term

Program Logistical Challenges

- GETT
- Training
- Manpower
- Technical Data
- Technical Manuals

- COTS Hardware Refresh
- Warranty

Currently (Today)

"Hybrid" Contractor Logistics Support (HCLS)

Program Office Management
Combines Prime Vendor / and ICE2* Field Engineers
Prime Vendor for "reach-back" Plant Engineering
Prime Vendor for Supply Support
SPAWAR for Shipping coordination to OIF II

Near-Term (Tomorrow)

"Mainstream" ICE2 and "Hybrid" CLS

41 **Systems** **Iraq** **ICE2 program**
ICE2 Managed

10 Spiral 1 **CONUS** **"Hybrid" CLS**
Program Office

Managed

Long Term (Future)

Performance Based Logistics: Buying a level of performance

Product Support Integrator (PSI)

- Manage Maintenance Planning Process
- Supply Chain Management
- Configuration Management
- Continuous Modernization

ALL MANAGED BY PSI

PBL Issues

- Performance Based Agreement
- Metrics
- Configuration Management
  - System Upgrades/Spiral Evolution/EC
  - Marine Common Hardware Suite
- Proprietary Component Design

Final Objective

AFFORDABLE, EFFECTIVE, SUSTAINMENT CAPABILITY MEETING THE MARFOR'S REQUIREMENTS

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10 Minute Break

UOC Industry Day

Statement of Objectives (SOO)

Statement Of Objectives

Performance Specifications

- Performance Requirements
- Performance Standards
- Measurement Techniques
- Incentives – Positive and Negative

Statement Of Objectives

$$A_o = \frac{\text{Uptime}}{\text{Uptime + Downtime}}$$

Critical System Components

Threshold = .95

Objective = .98

Complete UOC System

A_o = ?

Pick metrics driving increased readiness.

Notional Metrics

Logistics Response Time (LRT) **Responsiveness**
2 hours, from demand to initiation

Mean Time To Repair (MTTR) **Expertise**
3hrs Threshold, 1hr Objective

Non-Mission Capable Maintenance (NMCM) **Availability 5 %**

Non-Mission Capable Supply (NMCS) **Availability 5 %**

Perfect Order Fulfillment (POF) **4Rs**
97. 5% Threshold, 99.6% Objective

Product Support Integrator (PSI)

- Accountable to PM
  - Meeting PBA performance requirements
  - Executing PBL Product Support Strategy
- Responsibilities:
  - Manage ILS elements; design characteristics, improve performance, reduce cost.
  - Coordinates with support providers to provide product support:
    - Supply chain / DLA / DDD
    - Repair depot and fleet maintenance
    - Common commodities
    - Configuration Management
- Concepts:
  - Private activity, Govt. activity or both, in a Public/Private Partnership (PPP).
  - Responsibilities / performance requirements spelled out in PSA
- Default:
  - APML Team

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Performance Based Logistics Business Case Analysis

9 Dec 2004

Resource Consultants, Inc. Mr. George Hayn
Phone: 703-441-7045
Mr. Mark Kapral
Phone: 703-441-7058

Central Role of PM as TLCSM

Milestone Decision Authority (MDA)

ASR

Acquisition Strategy Report

User
War Fighter
Force Provider

- Focused on performance outcomes
- Establishes level of funding
- Set constraints and boundaries
- Commits warfighter to adhere to maintenance plan

Product Support Integrator(PSI):

- Ensures System is sustained at optimum levels per PSA and Product Support Plan
- Manages and coordinates support providers:
  - ❑ Organic
  - ❑ Commercial
  - ❑ Integrated Supply Chains
  - ❑ Partnerships

Product Support Agreement

PSA

PM

Performance Based Agreements

PBA

Buy

Thru Performance-Based Contracts:

- Commercial Prime Support Contractor
- Commercial Product Support Sources
- Commercial PSI

Business Case Analysis (BCA)

- **Business Case Analysis**

  The process of data collection, analysis, and recommendation development.

- **DoD BCAs**

  Required by Congress, DoD, and DoN.

"…to support 'best value' assessment of product support strategies consistent with existing PBL guidance."

DUSD AT&L memo of 23 Jan 2004

"…requires Services to complete a BCA by September 30, 2006 on all new and fielded ACAT I and II programs for application of PBL sustainment strategies."

DUSD AT&L memo of 20 Mar 2004

UOC SUPPORT: ACHIEVING THE RIGHT BALANCE

Services

Industry

GOVERNMENT CAPABILITIES

INDUSTRY CAPABILITIES

GOVERNMENT

UNBALANCED RISK
UNBALANCED RESPONSIBILITY

TRUE PARTNERSHIP

SHARED RISK
SHARED RESPONSIBILITY
SHARED REWARDS

INDUSTRY

UNBALANCED RISK
UNBALANCED RESPONSIBILITY

PBL BCA

- **Guiding Principles** - USD(AT&L) Memorandum, Performance Based Logistics (PBL) Business Case Analysis (BCA), of 23 Jan 2004.
- Guides the **initial decision** to invest.
- Reflects **Regulatory and Statutory** guidelines.
- Based on PBA **warfighter**-stated performance requirements.
- Helps **select among alternative** approaches.
- PBL BCA - a "**living document**"

PBL BCA

- **Validates** that planned benefits are realized at the completion of the project (via metrics).
- Develop ***unbiased*** assessment.
- PBL BCA must stand on its own and withstand rigorous analysis and **review by independent audit agencies**.
- Used throughout the project **life-cycle**.
- "**Best value**" assessment based on cost, performance, produceability, reliability, maintainability, & supportability enhancements.

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A Final Word,

(http://www.marcorsyscom.usmc.mil\sites\ctq\uoc-pbl.asp)

Then Questions…

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